



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

DAVID G. MILLER

US010436A

Serial No. 10/697,185

Group Art Unit: 2856

Filed: OCTOBER 30, 2003

Examiner: ROSE MARY MILLER

**MICRO-MACHINED ULTRASONIC TRANSDUCER (MUT) SUBSTRATE THAT LIMITS
THE LATERAL PROPAGATION OF ACOUSTIC ENERGY**

Commissioner for Patents
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Sir:

Before examination on the merits, please amend the above-identified application as follows:

IN THE SPECIFICATION

Please amend the specification as follows:

Page 1, before line 1, insert the following:

CROSS REFERENCE TO RELATED APPLICATION

This is a continuation of prior application serial no.
09/919,250 filed JULY 31, 2001.

Please amend the paragraph beginning at page 4, line 18 of applicants Specification to read as follows:

During a transmit pulse, the flexible membrane [114] 118 deforms in response to electrical stimulus applied to the conductors 112 and 116. The deformation causes acoustic energy to be generated and transmitted both away from the MUT substrate